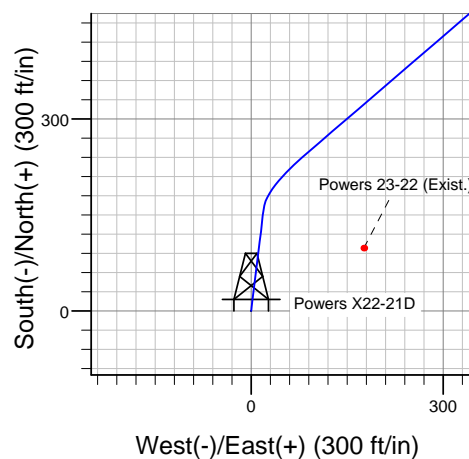
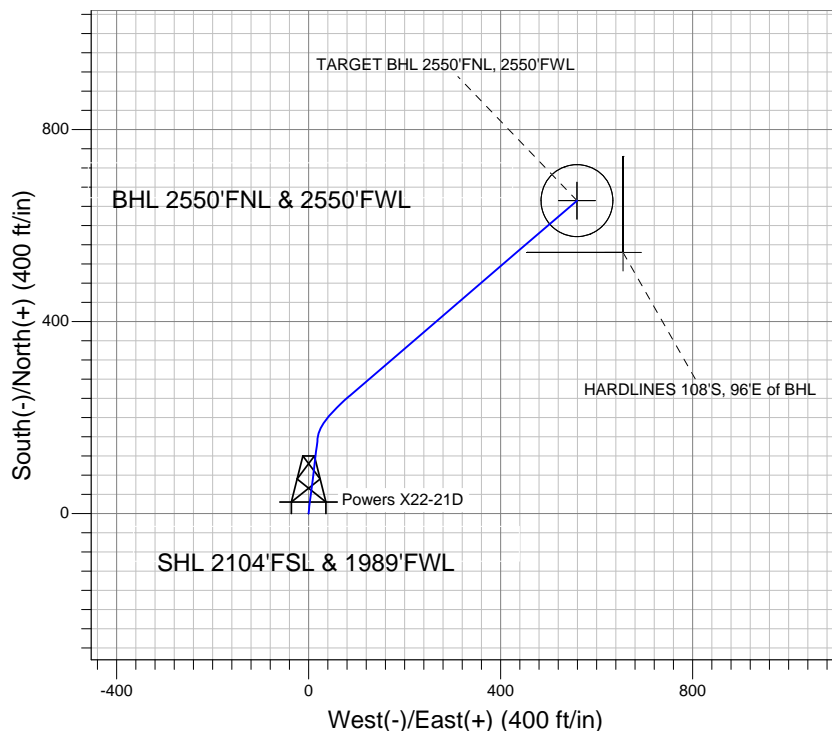
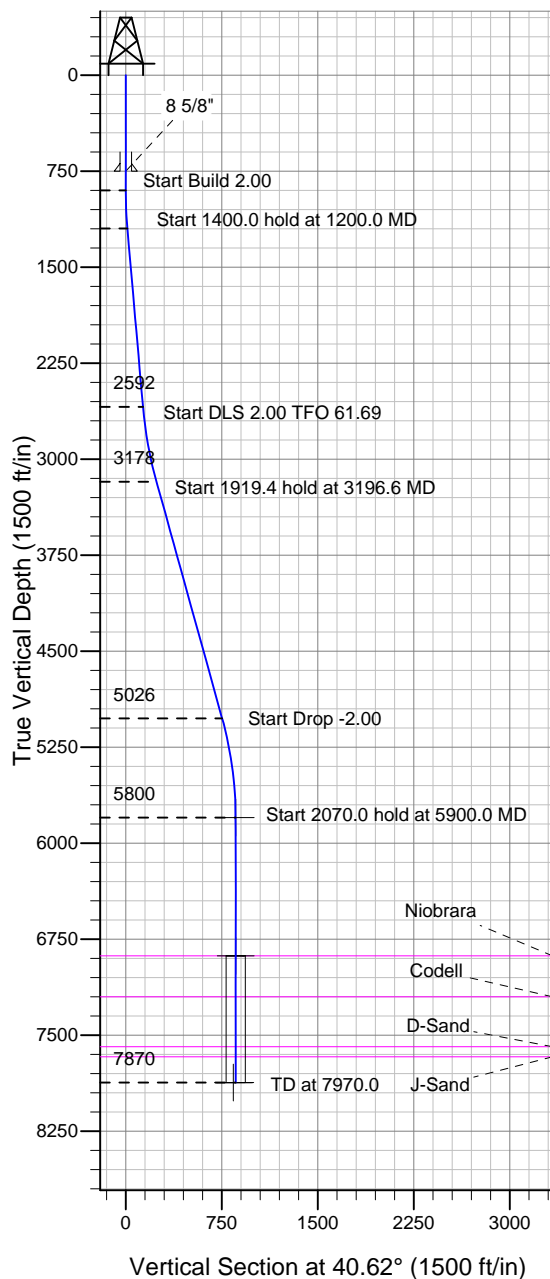


Well Name: Powers X22-21D

Surface Location: Powers X22-21D Pad Sec.22-T2N-R65W
 North American Datum 1983 , US State Plane 1983 Colorado Northern Zone
 Ground Elevation: 4887.0
 +N/-S +E/-W Northing Easting Longitude Slot
 0.0 0.0 1288639.89 3237024.89 40° 7' 21.360 N 104° 39' 8.676 W
 Original Well EleWELL @ 4900.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



Powers X22-21D Pad Sec.22-T2N-R65W
 Powers X22-21D
 Noble Powers X22-21D Plan #1 (9-28-10)
 13:51, October 08 2010



Azimuths to True North
 Magnetic North: 8.87°
 Magnetic Field
 Strength: 53070.0snT
 Dip Angle: 66.87°
 Date: 10/6/2010
 Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|----------------------------------|--------|-------|-------|-----------------|------------------|-----------------------|
| TARGET BHL 2550'FNL, 2550'FWL | 5800.0 | 652.1 | 559.3 | 40° 7' 27.804 N | 104° 39' 1.476 W | Point |
| TARGET CIRCLE 2550'FNL, 2550'FWL | 6880.0 | 652.1 | 559.3 | 40° 7' 27.804 N | 104° 39' 1.476 W | Circle (Radius: 75.0) |
| HARDLINES 108°S, 96°E of BHL | 7870.0 | 544.1 | 655.3 | 40° 7' 26.737 N | 104° 39' 0.240 W | Polygon |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|--------|-------|-------|--------|-------|-------|------|--------|-------|-------------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1200.0 | 6.00 | 7.00 | 1199.5 | 15.6 | 1.9 | 2.00 | 7.00 | 13.1 | |
| 4 | 2600.0 | 6.00 | 7.00 | 2591.8 | 160.8 | 19.7 | 0.00 | 0.00 | 134.9 | |
| 5 | 3196.6 | 15.68 | 49.34 | 3177.8 | 244.6 | 84.9 | 2.00 | 61.69 | 241.0 | |
| 6 | 5116.0 | 15.68 | 49.34 | 5025.7 | 582.6 | 478.4 | 0.00 | 0.00 | 753.7 | |
| 7 | 5900.0 | 0.00 | 0.00 | 5800.0 | 652.1 | 559.3 | 2.00 | 180.00 | 859.1 | TARGET BHL 2550'FNL, 2550'FWL |
| 8 | 7970.0 | 0.00 | 0.00 | 7870.0 | 652.1 | 559.3 | 0.00 | 0.00 | 859.1 | |



Directional

NOBLE ENERGY INC WELD COUNTY CO

SEC.22-T2N-R65W

Powers X22-21D Pad Sec.22-T2N-R65W

Powers X22-21D

Wellbore #1

Plan: Noble Powers X22-21D Plan #1 (9-28-10)

Standard Planning Report

08 October, 2010



| | | | |
|------------------|--|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Powers X22-21D |
| Company: | NOBLE ENERGY INC WELD COUNTY CO | TVD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Project: | SEC.22-T2N-R65W | MD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Site: | Powers X22-21D Pad Sec.22-T2N-R65W | North Reference: | True |
| Well: | Powers X22-21D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Noble Powers X22-21D Plan #1 (9-28-10) | | |

| | | | |
|--------------------|---------------------------|----------------------|-----------------------------|
| Project | SEC.22-T2N-R65W | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| Site Powers X22-21D Pad Sec.22-T2N-R65W | | | | | |
|---|----------|--------------|-----------------|-------------------|------------------|
| Site Position: | | Northing: | 1,288,639.91 ft | Latitude: | 40° 7' 21.360 N |
| From: | Lat/Long | Easting: | 3,237,024.89ft | Longitude: | 104° 39' 8.676 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " | Grid Convergence: | 0.55 ° |

| Well | Powers X22-21D | | | | | |
|----------------------|----------------|--------|---------------------|-----------------|---------------|------------------|
| Well Position | +N/-S | 0.0 ft | Northing: | 1,288,639.89 ft | Latitude: | 40° 7' 21.360 N |
| | +E/-W | 0.0 ft | Easting: | 3,237,024.89 ft | Longitude: | 104° 39' 8.676 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,887.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 10/6/2010 | 8.87 | 66.87 | 53,070 |

| | | | | |
|--------------------------|--|-------------------|----------------------|----------------------|
| Design | Noble Powers X22-21D Plan #1 (9-28-10) | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 40.62 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|-----------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,200.0 | 6.00 | 7.00 | 1,199.5 | 15.6 | 1.9 | 2.00 | 2.00 | 0.00 | 7.00 | |
| 2,600.0 | 6.00 | 7.00 | 2,591.8 | 160.8 | 19.7 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3,196.6 | 15.68 | 49.34 | 3,177.8 | 244.6 | 84.9 | 2.00 | 1.62 | 7.10 | 61.69 | |
| 5,116.0 | 15.68 | 49.34 | 5,025.7 | 582.6 | 478.4 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,900.0 | 0.00 | 0.00 | 5,800.0 | 652.1 | 559.3 | 2.00 | -2.00 | 0.00 | 180.00 | TARGET BHL 255C |
| 7,970.0 | 0.00 | 0.00 | 7,870.0 | 652.1 | 559.3 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|--|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Powers X22-21D |
| Company: | NOBLE ENERGY INC WELD COUNTY CO | TVD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Project: | SEC.22-T2N-R65W | MD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Site: | Powers X22-21D Pad Sec.22-T2N-R65W | North Reference: | True |
| Well: | Powers X22-21D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Noble Powers X22-21D Plan #1 (9-28-10) | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 40.0 | 0.00 | 0.00 | 40.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 80.0 | 0.00 | 0.00 | 80.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 160.0 | 0.00 | 0.00 | 160.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 240.0 | 0.00 | 0.00 | 240.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 280.0 | 0.00 | 0.00 | 280.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 320.0 | 0.00 | 0.00 | 320.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 360.0 | 0.00 | 0.00 | 360.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 440.0 | 0.00 | 0.00 | 440.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 480.0 | 0.00 | 0.00 | 480.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 520.0 | 0.00 | 0.00 | 520.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 560.0 | 0.00 | 0.00 | 560.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 640.0 | 0.00 | 0.00 | 640.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 680.0 | 0.00 | 0.00 | 680.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 720.0 | 0.00 | 0.00 | 720.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 750.0 | 0.00 | 0.00 | 750.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 8 5/8" | | | | | | | | | |
| 760.0 | 0.00 | 0.00 | 760.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 840.0 | 0.00 | 0.00 | 840.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 880.0 | 0.00 | 0.00 | 880.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 920.0 | 0.40 | 7.00 | 920.0 | 0.1 | 0.0 | 0.1 | 2.00 | 2.00 | 0.00 |
| 960.0 | 1.20 | 7.00 | 960.0 | 0.6 | 0.1 | 0.5 | 2.00 | 2.00 | 0.00 |
| 1,000.0 | 2.00 | 7.00 | 1,000.0 | 1.7 | 0.2 | 1.5 | 2.00 | 2.00 | 0.00 |
| 1,040.0 | 2.80 | 7.00 | 1,039.9 | 3.4 | 0.4 | 2.8 | 2.00 | 2.00 | 0.00 |
| 1,080.0 | 3.60 | 7.00 | 1,079.9 | 5.6 | 0.7 | 4.7 | 2.00 | 2.00 | 0.00 |
| 1,120.0 | 4.40 | 7.00 | 1,119.8 | 8.4 | 1.0 | 7.0 | 2.00 | 2.00 | 0.00 |
| 1,160.0 | 5.20 | 7.00 | 1,159.6 | 11.7 | 1.4 | 9.8 | 2.00 | 2.00 | 0.00 |
| 1,200.0 | 6.00 | 7.00 | 1,199.5 | 15.6 | 1.9 | 13.1 | 2.00 | 2.00 | 0.00 |
| 1,240.0 | 6.00 | 7.00 | 1,239.2 | 19.7 | 2.4 | 16.6 | 0.00 | 0.00 | 0.00 |
| 1,280.0 | 6.00 | 7.00 | 1,279.0 | 23.9 | 2.9 | 20.0 | 0.00 | 0.00 | 0.00 |
| 1,320.0 | 6.00 | 7.00 | 1,318.8 | 28.0 | 3.4 | 23.5 | 0.00 | 0.00 | 0.00 |
| 1,360.0 | 6.00 | 7.00 | 1,358.6 | 32.2 | 4.0 | 27.0 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 6.00 | 7.00 | 1,398.4 | 36.3 | 4.5 | 30.5 | 0.00 | 0.00 | 0.00 |
| 1,440.0 | 6.00 | 7.00 | 1,438.1 | 40.5 | 5.0 | 34.0 | 0.00 | 0.00 | 0.00 |
| 1,480.0 | 6.00 | 7.00 | 1,477.9 | 44.6 | 5.5 | 37.4 | 0.00 | 0.00 | 0.00 |
| 1,520.0 | 6.00 | 7.00 | 1,517.7 | 48.8 | 6.0 | 40.9 | 0.00 | 0.00 | 0.00 |
| 1,560.0 | 6.00 | 7.00 | 1,557.5 | 52.9 | 6.5 | 44.4 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 6.00 | 7.00 | 1,597.3 | 57.1 | 7.0 | 47.9 | 0.00 | 0.00 | 0.00 |
| 1,640.0 | 6.00 | 7.00 | 1,637.0 | 61.2 | 7.5 | 51.4 | 0.00 | 0.00 | 0.00 |
| 1,680.0 | 6.00 | 7.00 | 1,676.8 | 65.4 | 8.0 | 54.8 | 0.00 | 0.00 | 0.00 |
| 1,720.0 | 6.00 | 7.00 | 1,716.6 | 69.5 | 8.5 | 58.3 | 0.00 | 0.00 | 0.00 |
| 1,760.0 | 6.00 | 7.00 | 1,756.4 | 73.7 | 9.0 | 61.8 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 6.00 | 7.00 | 1,796.2 | 77.8 | 9.6 | 65.3 | 0.00 | 0.00 | 0.00 |
| 1,840.0 | 6.00 | 7.00 | 1,835.9 | 82.0 | 10.1 | 68.8 | 0.00 | 0.00 | 0.00 |
| 1,880.0 | 6.00 | 7.00 | 1,875.7 | 86.1 | 10.6 | 72.3 | 0.00 | 0.00 | 0.00 |
| 1,920.0 | 6.00 | 7.00 | 1,915.5 | 90.3 | 11.1 | 75.7 | 0.00 | 0.00 | 0.00 |
| 1,960.0 | 6.00 | 7.00 | 1,955.3 | 94.4 | 11.6 | 79.2 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 6.00 | 7.00 | 1,995.1 | 98.6 | 12.1 | 82.7 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|--|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Powers X22-21D |
| Company: | NOBLE ENERGY INC WELD COUNTY CO | TVD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Project: | SEC.22-T2N-R65W | MD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Site: | Powers X22-21D Pad Sec.22-T2N-R65W | North Reference: | True |
| Well: | Powers X22-21D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Noble Powers X22-21D Plan #1 (9-28-10) | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 2,040.0 | 6.00 | 7.00 | 2,034.9 | 102.7 | 12.6 | 86.2 | 0.00 | 0.00 | 0.00 |
| 2,080.0 | 6.00 | 7.00 | 2,074.6 | 106.9 | 13.1 | 89.7 | 0.00 | 0.00 | 0.00 |
| 2,120.0 | 6.00 | 7.00 | 2,114.4 | 111.0 | 13.6 | 93.1 | 0.00 | 0.00 | 0.00 |
| 2,160.0 | 6.00 | 7.00 | 2,154.2 | 115.2 | 14.1 | 96.6 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 6.00 | 7.00 | 2,194.0 | 119.3 | 14.7 | 100.1 | 0.00 | 0.00 | 0.00 |
| 2,240.0 | 6.00 | 7.00 | 2,233.8 | 123.5 | 15.2 | 103.6 | 0.00 | 0.00 | 0.00 |
| 2,280.0 | 6.00 | 7.00 | 2,273.5 | 127.6 | 15.7 | 107.1 | 0.00 | 0.00 | 0.00 |
| 2,320.0 | 6.00 | 7.00 | 2,313.3 | 131.8 | 16.2 | 110.6 | 0.00 | 0.00 | 0.00 |
| 2,360.0 | 6.00 | 7.00 | 2,353.1 | 135.9 | 16.7 | 114.0 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 6.00 | 7.00 | 2,392.9 | 140.1 | 17.2 | 117.5 | 0.00 | 0.00 | 0.00 |
| 2,440.0 | 6.00 | 7.00 | 2,432.7 | 144.2 | 17.7 | 121.0 | 0.00 | 0.00 | 0.00 |
| 2,480.0 | 6.00 | 7.00 | 2,472.4 | 148.4 | 18.2 | 124.5 | 0.00 | 0.00 | 0.00 |
| 2,520.0 | 6.00 | 7.00 | 2,512.2 | 152.5 | 18.7 | 128.0 | 0.00 | 0.00 | 0.00 |
| 2,560.0 | 6.00 | 7.00 | 2,552.0 | 156.7 | 19.2 | 131.4 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 6.00 | 7.00 | 2,591.8 | 160.8 | 19.7 | 134.9 | 0.00 | 0.00 | 0.00 |
| 2,640.0 | 6.42 | 13.31 | 2,631.5 | 165.1 | 20.5 | 138.7 | 2.00 | 1.05 | 15.78 |
| 2,680.0 | 6.90 | 18.80 | 2,671.3 | 169.5 | 21.8 | 142.9 | 2.00 | 1.21 | 13.72 |
| 2,720.0 | 7.44 | 23.53 | 2,711.0 | 174.2 | 23.6 | 147.6 | 2.00 | 1.35 | 11.83 |
| 2,760.0 | 8.03 | 27.61 | 2,750.6 | 179.0 | 25.9 | 152.8 | 2.00 | 1.46 | 10.18 |
| 2,800.0 | 8.64 | 31.12 | 2,790.2 | 184.1 | 28.8 | 158.5 | 2.00 | 1.54 | 8.78 |
| 2,840.0 | 9.29 | 34.15 | 2,829.7 | 189.3 | 32.2 | 164.6 | 2.00 | 1.61 | 7.59 |
| 2,880.0 | 9.96 | 36.79 | 2,869.1 | 194.8 | 36.0 | 171.3 | 2.00 | 1.67 | 6.60 |
| 2,920.0 | 10.64 | 39.10 | 2,908.5 | 200.4 | 40.4 | 178.4 | 2.00 | 1.71 | 5.77 |
| 2,960.0 | 11.34 | 41.13 | 2,947.7 | 206.2 | 45.4 | 186.1 | 2.00 | 1.75 | 5.07 |
| 3,000.0 | 12.06 | 42.92 | 2,986.9 | 212.3 | 50.8 | 194.2 | 2.00 | 1.78 | 4.48 |
| 3,040.0 | 12.78 | 44.51 | 3,026.0 | 218.5 | 56.7 | 202.8 | 2.00 | 1.81 | 3.98 |
| 3,080.0 | 13.51 | 45.94 | 3,064.9 | 224.9 | 63.2 | 211.8 | 2.00 | 1.83 | 3.56 |
| 3,120.0 | 14.25 | 47.22 | 3,103.8 | 231.5 | 70.2 | 221.4 | 2.00 | 1.85 | 3.20 |
| 3,160.0 | 14.99 | 48.37 | 3,142.5 | 238.2 | 77.6 | 231.4 | 2.00 | 1.86 | 2.89 |
| 3,196.6 | 15.68 | 49.34 | 3,177.8 | 244.6 | 84.9 | 241.0 | 2.00 | 1.87 | 2.63 |
| 3,200.0 | 15.68 | 49.34 | 3,181.0 | 245.2 | 85.6 | 241.9 | 0.00 | 0.00 | 0.00 |
| 3,240.0 | 15.68 | 49.34 | 3,219.6 | 252.3 | 93.8 | 252.6 | 0.00 | 0.00 | 0.00 |
| 3,280.0 | 15.68 | 49.34 | 3,258.1 | 259.3 | 102.0 | 263.2 | 0.00 | 0.00 | 0.00 |
| 3,320.0 | 15.68 | 49.34 | 3,296.6 | 266.3 | 110.2 | 273.9 | 0.00 | 0.00 | 0.00 |
| 3,360.0 | 15.68 | 49.34 | 3,335.1 | 273.4 | 118.4 | 284.6 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 15.68 | 49.34 | 3,373.6 | 280.4 | 126.6 | 295.3 | 0.00 | 0.00 | 0.00 |
| 3,440.0 | 15.68 | 49.34 | 3,412.1 | 287.5 | 134.8 | 306.0 | 0.00 | 0.00 | 0.00 |
| 3,480.0 | 15.68 | 49.34 | 3,450.6 | 294.5 | 143.0 | 316.7 | 0.00 | 0.00 | 0.00 |
| 3,520.0 | 15.68 | 49.34 | 3,489.1 | 301.6 | 151.2 | 327.4 | 0.00 | 0.00 | 0.00 |
| 3,560.0 | 15.68 | 49.34 | 3,527.6 | 308.6 | 159.4 | 338.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 15.68 | 49.34 | 3,566.2 | 315.7 | 167.6 | 348.7 | 0.00 | 0.00 | 0.00 |
| 3,640.0 | 15.68 | 49.34 | 3,604.7 | 322.7 | 175.8 | 359.4 | 0.00 | 0.00 | 0.00 |
| 3,680.0 | 15.68 | 49.34 | 3,643.2 | 329.7 | 184.0 | 370.1 | 0.00 | 0.00 | 0.00 |
| 3,720.0 | 15.68 | 49.34 | 3,681.7 | 336.8 | 192.2 | 380.8 | 0.00 | 0.00 | 0.00 |
| 3,760.0 | 15.68 | 49.34 | 3,720.2 | 343.8 | 200.4 | 391.5 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 15.68 | 49.34 | 3,758.7 | 350.9 | 208.6 | 402.2 | 0.00 | 0.00 | 0.00 |
| 3,840.0 | 15.68 | 49.34 | 3,797.2 | 357.9 | 216.8 | 412.9 | 0.00 | 0.00 | 0.00 |
| 3,880.0 | 15.68 | 49.34 | 3,835.7 | 365.0 | 225.0 | 423.5 | 0.00 | 0.00 | 0.00 |
| 3,920.0 | 15.68 | 49.34 | 3,874.2 | 372.0 | 233.2 | 434.2 | 0.00 | 0.00 | 0.00 |
| 3,960.0 | 15.68 | 49.34 | 3,912.8 | 379.1 | 241.4 | 444.9 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 15.68 | 49.34 | 3,951.3 | 386.1 | 249.6 | 455.6 | 0.00 | 0.00 | 0.00 |
| 4,040.0 | 15.68 | 49.34 | 3,989.8 | 393.1 | 257.8 | 466.3 | 0.00 | 0.00 | 0.00 |
| 4,080.0 | 15.68 | 49.34 | 4,028.3 | 400.2 | 266.0 | 477.0 | 0.00 | 0.00 | 0.00 |
| 4,120.0 | 15.68 | 49.34 | 4,066.8 | 407.2 | 274.2 | 487.7 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|--|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Powers X22-21D |
| Company: | NOBLE ENERGY INC WELD COUNTY CO | TVD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Project: | SEC.22-T2N-R65W | MD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Site: | Powers X22-21D Pad Sec.22-T2N-R65W | North Reference: | True |
| Well: | Powers X22-21D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Noble Powers X22-21D Plan #1 (9-28-10) | | |

| Planned Survey | | | | | | | | | |
|-------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 4,160.0 | 15.68 | 49.34 | 4,105.3 | 414.3 | 282.4 | 498.3 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 15.68 | 49.34 | 4,143.8 | 421.3 | 290.6 | 509.0 | 0.00 | 0.00 | 0.00 |
| 4,240.0 | 15.68 | 49.34 | 4,182.3 | 428.4 | 298.8 | 519.7 | 0.00 | 0.00 | 0.00 |
| 4,280.0 | 15.68 | 49.34 | 4,220.8 | 435.4 | 307.0 | 530.4 | 0.00 | 0.00 | 0.00 |
| 4,320.0 | 15.68 | 49.34 | 4,259.4 | 442.5 | 315.2 | 541.1 | 0.00 | 0.00 | 0.00 |
| 4,360.0 | 15.68 | 49.34 | 4,297.9 | 449.5 | 323.4 | 551.8 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 15.68 | 49.34 | 4,336.4 | 456.5 | 331.6 | 562.5 | 0.00 | 0.00 | 0.00 |
| 4,440.0 | 15.68 | 49.34 | 4,374.9 | 463.6 | 339.9 | 573.1 | 0.00 | 0.00 | 0.00 |
| 4,480.0 | 15.68 | 49.34 | 4,413.4 | 470.6 | 348.1 | 583.8 | 0.00 | 0.00 | 0.00 |
| 4,520.0 | 15.68 | 49.34 | 4,451.9 | 477.7 | 356.3 | 594.5 | 0.00 | 0.00 | 0.00 |
| 4,560.0 | 15.68 | 49.34 | 4,490.4 | 484.7 | 364.5 | 605.2 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 15.68 | 49.34 | 4,528.9 | 491.8 | 372.7 | 615.9 | 0.00 | 0.00 | 0.00 |
| 4,640.0 | 15.68 | 49.34 | 4,567.5 | 498.8 | 380.9 | 626.6 | 0.00 | 0.00 | 0.00 |
| 4,680.0 | 15.68 | 49.34 | 4,606.0 | 505.9 | 389.1 | 637.3 | 0.00 | 0.00 | 0.00 |
| 4,720.0 | 15.68 | 49.34 | 4,644.5 | 512.9 | 397.3 | 647.9 | 0.00 | 0.00 | 0.00 |
| 4,760.0 | 15.68 | 49.34 | 4,683.0 | 519.9 | 405.5 | 658.6 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 15.68 | 49.34 | 4,721.5 | 527.0 | 413.7 | 669.3 | 0.00 | 0.00 | 0.00 |
| 4,840.0 | 15.68 | 49.34 | 4,760.0 | 534.0 | 421.9 | 680.0 | 0.00 | 0.00 | 0.00 |
| 4,880.0 | 15.68 | 49.34 | 4,798.5 | 541.1 | 430.1 | 690.7 | 0.00 | 0.00 | 0.00 |
| 4,920.0 | 15.68 | 49.34 | 4,837.0 | 548.1 | 438.3 | 701.4 | 0.00 | 0.00 | 0.00 |
| 4,960.0 | 15.68 | 49.34 | 4,875.5 | 555.2 | 446.5 | 712.1 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 15.68 | 49.34 | 4,914.1 | 562.2 | 454.7 | 722.7 | 0.00 | 0.00 | 0.00 |
| 5,040.0 | 15.68 | 49.34 | 4,952.6 | 569.3 | 462.9 | 733.4 | 0.00 | 0.00 | 0.00 |
| 5,080.0 | 15.68 | 49.34 | 4,991.1 | 576.3 | 471.1 | 744.1 | 0.00 | 0.00 | 0.00 |
| 5,116.0 | 15.68 | 49.34 | 5,025.7 | 582.6 | 478.4 | 753.7 | 0.00 | 0.00 | 0.00 |
| 5,120.0 | 15.60 | 49.34 | 5,029.6 | 583.3 | 479.3 | 754.8 | 2.00 | -2.00 | 0.00 |
| 5,160.0 | 14.80 | 49.34 | 5,068.2 | 590.2 | 487.2 | 765.2 | 2.00 | -2.00 | 0.00 |
| 5,200.0 | 14.00 | 49.34 | 5,106.9 | 596.7 | 494.8 | 775.0 | 2.00 | -2.00 | 0.00 |
| 5,240.0 | 13.20 | 49.34 | 5,145.8 | 602.8 | 501.9 | 784.3 | 2.00 | -2.00 | 0.00 |
| 5,280.0 | 12.40 | 49.34 | 5,184.8 | 608.6 | 508.6 | 793.1 | 2.00 | -2.00 | 0.00 |
| 5,320.0 | 11.60 | 49.34 | 5,223.9 | 614.0 | 514.9 | 801.3 | 2.00 | -2.00 | 0.00 |
| 5,360.0 | 10.80 | 49.34 | 5,263.2 | 619.0 | 520.8 | 809.0 | 2.00 | -2.00 | 0.00 |
| 5,400.0 | 10.00 | 49.34 | 5,302.5 | 623.7 | 526.3 | 816.1 | 2.00 | -2.00 | 0.00 |
| 5,440.0 | 9.20 | 49.34 | 5,342.0 | 628.1 | 531.4 | 822.7 | 2.00 | -2.00 | 0.00 |
| 5,480.0 | 8.40 | 49.34 | 5,381.5 | 632.1 | 536.0 | 828.7 | 2.00 | -2.00 | 0.00 |
| 5,520.0 | 7.60 | 49.34 | 5,421.1 | 635.7 | 540.2 | 834.2 | 2.00 | -2.00 | 0.00 |
| 5,560.0 | 6.80 | 49.34 | 5,460.8 | 639.0 | 544.0 | 839.2 | 2.00 | -2.00 | 0.00 |
| 5,600.0 | 6.00 | 49.34 | 5,500.5 | 641.9 | 547.4 | 843.6 | 2.00 | -2.00 | 0.00 |
| 5,640.0 | 5.20 | 49.34 | 5,540.3 | 644.4 | 550.4 | 847.5 | 2.00 | -2.00 | 0.00 |
| 5,680.0 | 4.40 | 49.34 | 5,580.2 | 646.6 | 552.9 | 850.8 | 2.00 | -2.00 | 0.00 |
| 5,720.0 | 3.60 | 49.34 | 5,620.1 | 648.4 | 555.0 | 853.5 | 2.00 | -2.00 | 0.00 |
| 5,760.0 | 2.80 | 49.34 | 5,660.0 | 649.9 | 556.7 | 855.7 | 2.00 | -2.00 | 0.00 |
| 5,800.0 | 2.00 | 49.34 | 5,700.0 | 651.0 | 558.0 | 857.4 | 2.00 | -2.00 | 0.00 |
| 5,840.0 | 1.20 | 49.34 | 5,740.0 | 651.7 | 558.8 | 858.5 | 2.00 | -2.00 | 0.00 |
| 5,880.0 | 0.40 | 49.34 | 5,780.0 | 652.1 | 559.3 | 859.0 | 2.00 | -2.00 | 0.00 |
| 5,900.0 | 0.00 | 0.00 | 5,800.0 | 652.1 | 559.3 | 859.1 | 2.00 | -2.00 | 0.00 |
| TARGET BHL 2550'FNL, 2550'FWL | | | | | | | | | |
| 5,920.0 | 0.00 | 0.00 | 5,820.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 5,960.0 | 0.00 | 0.00 | 5,860.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 0.00 | 0.00 | 5,900.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,040.0 | 0.00 | 0.00 | 5,940.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,080.0 | 0.00 | 0.00 | 5,980.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,120.0 | 0.00 | 0.00 | 6,020.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,160.0 | 0.00 | 0.00 | 6,060.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|--|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Powers X22-21D |
| Company: | NOBLE ENERGY INC WELD COUNTY CO | TVD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Project: | SEC.22-T2N-R65W | MD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Site: | Powers X22-21D Pad Sec.22-T2N-R65W | North Reference: | True |
| Well: | Powers X22-21D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Noble Powers X22-21D Plan #1 (9-28-10) | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 6,200.0 | 0.00 | 0.00 | 6,100.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,240.0 | 0.00 | 0.00 | 6,140.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,280.0 | 0.00 | 0.00 | 6,180.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,320.0 | 0.00 | 0.00 | 6,220.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,360.0 | 0.00 | 0.00 | 6,260.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 0.00 | 0.00 | 6,300.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,440.0 | 0.00 | 0.00 | 6,340.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,480.0 | 0.00 | 0.00 | 6,380.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,520.0 | 0.00 | 0.00 | 6,420.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,560.0 | 0.00 | 0.00 | 6,460.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 0.00 | 0.00 | 6,500.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,640.0 | 0.00 | 0.00 | 6,540.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,680.0 | 0.00 | 0.00 | 6,580.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,720.0 | 0.00 | 0.00 | 6,620.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,760.0 | 0.00 | 0.00 | 6,660.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 0.00 | 0.00 | 6,700.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,840.0 | 0.00 | 0.00 | 6,740.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,880.0 | 0.00 | 0.00 | 6,780.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,920.0 | 0.00 | 0.00 | 6,820.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,960.0 | 0.00 | 0.00 | 6,860.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 6,980.0 | 0.00 | 0.00 | 6,880.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| Niobrara - TARGET CIRCLE 2550'FNL, 2550'FWL | | | | | | | | | |
| 7,000.0 | 0.00 | 0.00 | 6,900.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,040.0 | 0.00 | 0.00 | 6,940.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,080.0 | 0.00 | 0.00 | 6,980.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,120.0 | 0.00 | 0.00 | 7,020.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,160.0 | 0.00 | 0.00 | 7,060.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 0.00 | 0.00 | 7,100.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,240.0 | 0.00 | 0.00 | 7,140.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,280.0 | 0.00 | 0.00 | 7,180.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 0.00 | 0.00 | 7,200.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| Codell | | | | | | | | | |
| 7,320.0 | 0.00 | 0.00 | 7,220.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,360.0 | 0.00 | 0.00 | 7,260.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 0.00 | 0.00 | 7,300.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,440.0 | 0.00 | 0.00 | 7,340.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,480.0 | 0.00 | 0.00 | 7,380.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,520.0 | 0.00 | 0.00 | 7,420.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,560.0 | 0.00 | 0.00 | 7,460.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 0.00 | 0.00 | 7,500.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,640.0 | 0.00 | 0.00 | 7,540.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,680.0 | 0.00 | 0.00 | 7,580.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,690.0 | 0.00 | 0.00 | 7,590.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| D-Sand | | | | | | | | | |
| 7,720.0 | 0.00 | 0.00 | 7,620.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,760.0 | 0.00 | 0.00 | 7,660.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,770.0 | 0.00 | 0.00 | 7,670.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| J-Sand | | | | | | | | | |
| 7,800.0 | 0.00 | 0.00 | 7,700.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,840.0 | 0.00 | 0.00 | 7,740.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,880.0 | 0.00 | 0.00 | 7,780.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,920.0 | 0.00 | 0.00 | 7,820.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| 7,960.0 | 0.00 | 0.00 | 7,860.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|--|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Powers X22-21D |
| Company: | NOBLE ENERGY INC WELD COUNTY CO | TVD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Project: | SEC.22-T2N-R65W | MD Reference: | WELL @ 4900.0ft (Original Well Elev) |
| Site: | Powers X22-21D Pad Sec.22-T2N-R65W | North Reference: | True |
| Well: | Powers X22-21D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Noble Powers X22-21D Plan #1 (9-28-10) | | |

| Planned Survey | | | | | | | | | |
|------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 7,970.0 | 0.00 | 0.00 | 7,870.0 | 652.1 | 559.3 | 859.1 | 0.00 | 0.00 | 0.00 |
| HARDLINES 108'S, 96'E of BHL | | | | | | | | | |

| Targets | | | | | | | | | |
|--|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------|------------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
| TARGET CIRCLE 25' - plan hits target - Circle (radius 75.0) | 0.00 | 0.00 | 6,880.0 | 652.1 | 559.3 | 1,289,297.29 | 3,237,577.92 | 40° 7' 27.804 N | 104° 39' 1.476 W |
| HARDLINES 108'S, 96'E of BHL - plan misses by 144.5ft at 7970.0ft MD (7870.0 TVD, 652.1 N, 559.3 E) - Polygon | 0.00 | 0.00 | 7,870.0 | 544.1 | 655.3 | 1,289,190.21 | 3,237,674.93 | 40° 7' 26.737 N | 104° 39' 0.240 W |
| Point 1 | | | 7,870.0 | 0.0 | 0.0 | 1,289,190.21 | 3,237,674.93 | | |
| Point 2 | | | 7,870.0 | 200.0 | 0.0 | 1,289,390.19 | 3,237,673.02 | | |
| Point 3 | | | 7,870.0 | 0.0 | 0.0 | 1,289,190.21 | 3,237,674.93 | | |
| Point 4 | | | 7,870.0 | 0.0 | -200.0 | 1,289,188.30 | 3,237,474.95 | | |
| TARGET BHL 2550'F - plan hits target - Point | 0.00 | 0.00 | 5,800.0 | 652.1 | 559.3 | 1,289,297.29 | 3,237,577.92 | 40° 7' 27.804 N | 104° 39' 1.476 W |

| Casing Points | | | | | |
|---------------------|---------------------|--------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 750.0 | 750.0 | 8 5/8" | 8-5/8 | 12-1/4 | |

| Formations | | | | | | |
|---------------------|---------------------|----------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 6,980.0 | 6,880.0 | Niobrara | | 0.00 | | |
| 7,300.0 | 7,200.0 | Codell | | 0.00 | | |
| 7,690.0 | 7,590.0 | D-Sand | | 0.00 | | |
| 7,770.0 | 7,670.0 | J-Sand | | 0.00 | | |